AMENDMENTS TO THE SPECIFICATION

In the specification, please amend the paragraph starting on line 12 of page 8 as follows:

Rather than selecting three specific locations for $E(\overline{R})$, it is known that the accuracy of the solution is often improved by integrating known values of $E(\overline{R})$ using a weighting function over the region of integration. For example, assuming that $E(\overline{R})$ is known along the surface of the wire 100, then choosing three weighting functions $g_1(\ell)$, $g_2(\ell)$, and ~~$g_2(\ell)$~~ $g_3(\ell)$, the desired three equations in three unknowns can be written as follows (by multiplying both sides of the equation by $g_i(\ell)$ and integrating):

$$\int E(\ell')g_1(\ell')d\ell' = I_1 \int\int f_1(\ell)g_1(\ell')G(\ell,\ell')d\ell d\ell' + I_2 \int\int f_2(\ell)g_1(\ell')G(\ell,\ell')d\ell d\ell' + I_3 \int\int f_3(\ell)g_1(\ell')G(\ell,\ell')d\ell d\ell'$$

$$\int E(\ell')g_2(\ell')d\ell' = I_1 \int\int f_1(\ell)g_2(\ell')G(\ell,\ell')d\ell d\ell' + I_2 \int\int f_2(\ell)g_2(\ell')G(\ell,\ell')d\ell d\ell' + I_3 \int\int f_3(\ell)g_2(\ell')G(\ell,\ell')d\ell d\ell'$$

$$\int E(\ell')g_3(\ell')d\ell' = I_1 \int\int f_1(\ell)g_3(\ell')G(\ell,\ell')d\ell d\ell' + I_2 \int\int f_2(\ell)g_3(\ell')G(\ell,\ell')d\ell d\ell' + I_3 \int\int f_3(\ell)g_3(\ell')G(\ell,\ell')d\ell d\ell'$$

Note that the above double-integral equations reduce to the single-integral forms if the weighting functions $g_i(\ell)$ are replaced with delta functions.

Please amend the paragraph at line 10 on page 9 as follows:

~~$Z_{ij} = \int\int f_j(\ell)g_i(\ell')G(\ell,\ell')d\ell d\ell$~~

$$Z_{ij} = \int\int f_j(\ell)g_i(\ell')G(\ell,\ell')d\ell d\ell'$$

Please amend the paragraph beginning at line 12 on page 9 as follows:

Solving the matrix equation yields the values of I_1, I_2, and I_3. The values I_1, I_2, and I_3 can then be inserted into the equation ~~$I(\ell) \approx I_1 f(\ell) + I_2 f_2(\ell) + I_3 f_3(\ell)$~~ $I(\ell) \approx I_1 f_1(\ell) + I_2 f_2(\ell) + I_3 f_3(\ell)$ to give an approximation for $I(\ell)$. If the basis functions are triangular functions as shown in Figure 1B, then the resulting approximation for $I(\ell)$ is a piecewise linear approximation as shown in Figure 1C. The I_i are the unknowns and the V_i are the conditions (typically, the V_i are knowns). Often there are the same number of conditions as unknowns. In other cases, there are more conditions than unknowns or less conditions than unknown.

SUMMARY OF INTERVIEW

The Applicant submits herewith a Statement of the Substance of the Examiner Interview held via telephone on August 10, 2005.

Exhibits and/or Demonstrations

None

Identification of Claims Discussed

Claim 1 was discussed.

Identification of Prior Art Discussed

The *Rockwell* reference cited by the Examiner was discussed.

Proposed Amendments

Applicant proposed to amend Claim 1 to clarify that at least one of the composite sources or testers is a combination of two or more original sources or testers.

Principal Arguments and Other Matters

Applicant discussed the Examiner's comments in paragraph 8-6 of the Final Office Action. Applicant also reiterated the arguments presented in the response to the first Office Action.